TOUR THROUGH KENTUCKY'S WONDERLAND.

Some Interesting Reminiscences of Byfinne Days - The Weird Echnes from the Disappearing River—The Great Bottomless Pit-



HE entrance to Mammoth Cave of Kentucky is reached descending a picturesque pathway leading from the hotel down the billaide over jutting moss and ferncovered limestone cliffs into a beauti-

ful glen extending from the top of the hill down to Green river, which is 194 feet below the month of the cave and about balf a mile distant. If the weather is warm, bracing, cool pure air, welling up from the cave and flowing down the glen beneath the stratum of lighter and warmer air. I have stood near the entrance and extended one hand into a temperature of 90 degrees, while the other hand was extended into a cool flowing river of air with a temperature of about 60 degrees. The air within the cave has a uniform temperature, summer and winter, of 54 degrees. The cave may be said to breathe twice a yeartobaling during the winter, and exhaling during the summer. This breathing of the cave, and the purity of the



ENTRANCE TO CAVE.

(From Inside.) air and its freedom from germs, are among the most interesting problems to be studied. By what process the air in the cave becomes sterilized remains to be determined. But our faithful negro guide has counted the party, selected the requisite number of lamps, and given the word, and we follow him in single file down the rude stone steps into the vestibule of the cave. Here our lamps are lighted, and we enter storms and the thunder of the world, never penetrate . A few hundred yards, and we feel the sensation of emerging into expanding space. We eatch only glimpses of white limestone projecting out of black shadows of the faraway walls and ceiling of an immenac, high, which our guide proclaims the Rotunda.

We note the peculiar musical effect of the human voice. Years ago it was my good fortune to hear a celebrated German musical society sing in this Rotunda. I went far away in one of the great avenues leading from here, blew out the light, and sat alone in clate the inestimable privilege of the oppressiveness of the outer air. and who in the Star chamber heard a enty feet wide, but how high and long member of her party render on his vio- we cannot tell; far above the tower lin the prayer from "Der Freischutz," ing cliffs on each side is blackness,

When the retunds is illuminated we and shead of us the receding walls note the perfect clearness of the atmos- vanish in utter darkness. By direction phere, the freedom from dust particles of the guide, we seat ourselves on n

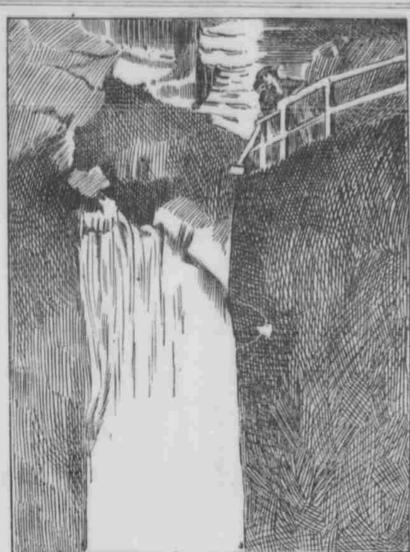
undergo exercise for hours without a sense of fatigue. Here before us is evidence of the wonderful dryness of the air. The saltpeter vats erected in 1812, and the timbers which have remained in their present position since then, show no evidences of decay. In these vats the sultpeter was leached from the nitrous earth abounding in the upper and middle dry avenues, and used for the manufacture of gunpowder. The war of 1812 was fought, on the American side, with gunpowder made from saltpeter taken from caves. and Mammoth Cave supplied the greater part. It requires a day and a half to make the regulation journeys through the cave; one half a day to what is known as the short route, and an entire day to the long or river route. But that by no means exhausts the as we near the entrance we step into a \* objects of interest, and one may spend days in visiting avenues and chambers and domes not included in the regular routes. A bare enumeration of the interesting places included in the regular route would fill a chapter, and will not be attempted here, attention being directed only to a few points of interest. We first traverse the main cave, a grand areade extending from the rotunda about four miles to where fallen rocks have closed the avenue. This part of the cave has an average width of about 60 feet, and an average height of about 40 feet, but in places it widens into immense chambers, having heights of from 60 to 75 feet. The darkness adds to the appearance of magnitude of these grand avenues. We pass additional saltpeter vats, the church, where we see rude seats, an immense room under a beautiful arch, with a gallery running along one side, and where, we are informed, religious services are sometimes held; pass the Gothic galleries, and under the grand arch, when the guide asks you to keep silent and listen. You hear the regufar ticking as of a great clock. It is caused by a single drop of water falling into a post about every second. Some distance on we come upon two stone cottages built against one of the walls of the avenue. These are the remains of a number that were built in the cave in 1843, for the abode of consumptive patients. It was believed that the pure air of the cave would affect a cure, and fifteen consumptives took up their abode here, and remained for five months without going outside. It is said that when they did go out three died before they could reach the hotel. Something more than purity is required, sunlight. It is eatd that the saltpeter miners had remarkable health while working in the cave. and persons with weak lungs are certainly benefited by short walks in this ntwoaphere. I believe, in time, that these immense reservoirs of dry, pure, autiseptic air will be utilized for the cure of consumption and asthma, not by sendles, the patient into the cave, but by bringing the air into sunlighted sanitariums on the dry, well-drained elevated sandstone plateaus above the caves. Consumptives take long high altitudes exercise cannot be taken, while the cave air predisposes one to take exercise with little fatigue. I have known delicate women to walk for nine hours in the cave, clambering up steep ascents and over rocks, and come out of the cave feeling no sense almost circular room about 70 feet of fatigue until they reached the warm, impure air outside, charged with odors of decayed regetation, when they would almost faint, and would require hotel. I once went with a friend and guide to Roaring river and several other remote places, which required remaining in the cave over night. It was night when we came out, and we the darkness, and listened while the had become so sensitive by our stay grand anthems rolled and reverberated of thirty-six hours in the pure air of through the lafty corridors in majestic | the cave that we were almost overcome waves of melody. I could then appre- by the sufficating mephitic edors and few who heard Jenny Lind sing here, now enter an immense hall about sev-

THE MAMMOTH CAVE, of any kind; and we soon learn that log and tean back against the rightnowhere in the cave will even dust hand wait. He removes our lamps so rise upon our shoes. We note also the that they will not shine in our eyes. exhilarating effect of the air upon the and placing them so the light will be members of our party. It is believed thrown upward, he bids us look aloft. that the air has become oxygenated by Exclamations of wonder break forth. chemical process; certainly, from its We seem to be looking, out from the purity and dryness, it enables one to bottom of a deep canen into black midnight, heaven studded with innumerable stars. The longer we gaze, the more perfect does the illusion become. The ceiling of the star chamber is flat, and is coated with black oxide of manganese. This is pierced with sparkling crystals of gypsum. The blackness is so intense, and the ceiling so high. that we seem to look up into unfathomed space, in which the tiny stars float. Star chamber is the end of the short route, and visitors retrace their steps from here; but there are some miles beyond, which we will vist: in order to see the largest underground dome in the world. This is called Chief city. This stupendous dome is 500 feet across in one direction, and 280 feet In another, and the height is estimated at from 90 to 125 feet. Over this great area extends a solid arch of limestone. The awful sublimity of this place can be appreciated better from the lilustration than from any attempt at description. The Indians procured fint from the cave. Flint dome, which is Duloe, midway between Liskeard and

tiplied a thousandfold, receding, and our FOR POLAR FAME. Well and Strong ume, lingering for many seconds, and finally dying away in sweet, fur-away FRENCH CANADIAN IN QUEST melodies. Then, when the last faint sounds have ceased, he agitates the water with his puddle, and asks us to listen. The receding waves, reaching cavities in the sides of the overhanging arches, break the stillness with sweet, hell-like sounds. Some notes, striking the keynote of the rocks, muttiply the musical melody; some notes are soft and low; others are loud, almost with an alarm-bell clangor. This music, such as cannot be heard elsewhere on earth, gradually dies away in receding echoes, coming over the waters from far-away bidden chambers. The echo is not such as we hear above ground or in buildings, but a succession of receding waves of sound, lasting for about thirty seconds, and adding an Indescribable melody to all sounds, whether from shouting or from instrumental or vocal music.

ST. KEYNE'S WELL.

with which Cornwall is supplied. It is situated beside a road in the parish of



THE BOTTOMLESS PIT.

been in great demand by these manufacturers of flint implements. Refore crossing the river for the long route we visit some of the wonderful domes. These are in the portion of the cave nearest Green river, but this would not be known by the visitor after wandering through avenues turning in all directions. The most interesting are Gorin's dome, Bottomless pit, and Mammoth dome. The Bottomless pit assistance in ascending the path to the | is a fearful pit to look down into from the bridge spanning one of its bays. I once went with a companion through a tortuous passage to the bottom of this pit, and while there heard the shouting and laughter of an approaching party overhead. Extinguishing our lights, we waited until they had looked down, trying to penetrate the unfathomable darkness of the deep pit, we gave an unearthly, sepulchral wall. Exclamations of fear and horror resounded through the cave from the frightened crowd upon the bridge; but the guide, knowing that we had gone into the cave in advance of his party. quieted their fears by the assurance that the sounds did not come from evil apirits of the vasty deep. For a long time Echo valley barred the way to the extensive system of avenues beyoud. The celebrated colored guide, Stephen Bishop, was the first to cross Now avenues have been discovered and opened up, so that it is now possible to reach the trans-river portions of the cave without crossing the river. But these are used only when the river is too high to cross, as a sail on this underground water is one of the most delightful experiences of the cave. Flat-bottomed boats, each with a capacity to carry about twenty persons. have been provided. Our tamps are arranged at each end; we take seats along the sides of the boats, which are pushed off; and we silently float ou! under the dark archway into an unknown world such as we have never before conceived of. The river is about twenty feet deep, of the purest water. so clear that pebbles can be seen on the bottom. In places it widens out to 200 feet, and branches reach away vided in this section; and should the into darkness on each side. It is a said parties so notified fail in a reason sall of about three-fourths of a mile able length of time, to be filed in the to reach the farther shore, and it is an | notice, to make such repairs, such parexperience ever to be remembered. Our ties shall be deemed guilty of obstructguide asks us to keep slient; then, lift- ing the public roads and shall be subing the heavy, broad paddle with ject to a fine of not exceeding \$100, to which he has been propelling our heat. be applied to road purposes." he strikes with all his strength the flat side on the water. Instantly the

subterranean thunders of the maderworld are let loose. From all direc-

rarely visited, has bands and nodules | Looe, in an exceedingly picturesque sitof filmt projecting from the circular untion, everhung by the dense foliage walls, and the evidences are abundant of a great elm. St. Keyne was one of sea voyages and visit high altitudes that the Indians gathered flint from the many Irish saints who in early this silent, mysterious, changeless to get the benefit of aseptic atmos- here. The moist flint from the cave times settled in Cornwall, and the leabode of eternal night, where the heat of summer and the cold of winter, the of temperature, from storms, and at outside, and for that reason must have er-falling spring to the inhabitance of er-falling spring to the inhabitants of Dulce in return for their dedication of the parish church to her. But St. Keyne's well is best azown to the world at large from Southey's ballad. which has given fame to the legend that the husband or wife who first drinks of its water after marriage shall



THE WELL OF ST. KEYNE. of whom Southey tells, however, was not sharp enough:

'I hagtened as soon as the wedding was And left my good wife in the porch, But, i' faith, she had been far wiser

than I

For she took a bottle to church."

true Way of Preserving Roads To protect and preserve the highways by withdrawing them from publie use at times when they are likely to be injured by heavy travel is certainly a unique method of providing for the public welfare, but this is what the Kentucky statutes say: "Any corporation, company or individual who may by unusual use of a road, materially damage the same, shall repair all damages caused by the use of such road or road. The supervisor or overseer of roads shall at any time when necessury notify said corporations, companles or individuals of their duty as pro-

Net!-"Which is your favorite per among animale?" Belle (enthusiastitions come rolling waves of swind, mul- cally | "Man."-Tit-Bits.

OF THE POLE.

He fine a Theory That the North Basin Is a Freien Sea - Will Use a Rubber Raft-To Be Alded by the Ice



(Special Letter.) AFT. J. EDGAR BERNIER of Quebre is arranging to head an expedition of discovery into the point regions. His proposition is to charter a good sealer with steam nower and proceed to the entrance of the Lena river, St-

beria, and in about latitude 78 degrees north and between 120 degrees to 140 degrees longitude east. Abandoning The well of St. Keyns is perhaps the the vessel, Capt. Bernier will land on best known of all the many holy wells the main pack with two years and a half of provisions and one year's provisions for the reindeer, and one year and a half for the dogs. His equipment would consist of one boat in compartments built of aluminum and wood, with all the necessary appliances for wind and hand power. In addition, he would be provided with thirty sledges of various kinds and modelled to carry about fifteen hundred to two thousand pounds each, made of aluminum and some of wood, to fit in a rubber raft to make the bottom part of the raft. The equipment would also include six skeleton "kayacks," ready for use, with canvas covers detached, but ready to be adjusted in an emergency. It is designed that each kayack shall carry two men and six months' provisions, a to-

tal weight of 1,500 pounds in each. In addition, he has provided for 120 tame and unhorned reindeer, to be utilized in carrying the provisions and material towards the north as fast as possible. He proposes to feed them with about four hundred pounds of moss per day, and he would kill them one by one to feed the dogs. Before going into winter quarters he would slaughter the remainder and use the food for the men and dogs. These latter would comprise fifty or sixty Siberian hounds. The rubber raft would be twenty-five feet long, six feet wide, and four feet deep, with a draught of two feet, and capable of carrying sighteen thousand pounds. Apart from tocomotion he will be aided by the drift of the ice, which carried tha Fram upwards of one thousand miles in a direction almost north 36 west. He has a theory that the polar basin is a frozen ocean. With every equipment that human ingenuity can devise, he proposes to proceed leisurely at the rate of about four miles a day. He expects to return with his mission ac-



CAPT. BERNIER complished within eighteen months, but as a precautionary measure will provide himself with provisions for two and one-half years. On the return trip he would head for Spitzbergen or Franz Joseph Land, preferably the latter in order to explore Peterman's Land seen at a long distance many years ago by Payer, but which has never been visited.

Fare Fears Freze.

When speaking colloquially, if we want to indicate that one has been caught unawares, startled, had his breath taken away, flustered, put in a state of funk, or mentally disturbed and perturbed in any degree, we say "he is fazed," or it fazed him." The origin and spelling of this word annoyed me for a long time. I have seen it spelled in many ways, as, for instance, face, feaze, phase, veeze, feeze, felse, pheeze, Take your choice. The pronunciation is invariably faze. "Why, you couldn't faze him," said of a man, means that he can neither be held nor driven. Puze is local United States. Other forms of the word were used in the fifteenth century, and are of distinguiahed origin.-New York Press.

Great Pinnist's Sureass Some years ago Edward E. Rice was presented to Von Bulow at a club dinper in Boston. It was just about the time that all Europe was talking of Mms. Von Bulow's flirtation with Verdi, who had taught the planist almost all he ever knew about music. "I want you to become acquainted with Mr. Rice," said a friend; "he doesn't know anything about music, but he has composed several operas." "Delighted, 1 am sure," murmured the great planist, with a sarcastic smile; "he reminds me of a man I knew at home; his name is Verdi.

The cylindrical bales of cotton now shipped from the United States to Liverpool are pronounced a great improvement upon the first specimens, and also upon the old bale.

Nervous Spells and That Tired Feel-

ing Cured by Hood's. "My health was very poor. I had neryous spells and did not sleep well at night. When I arose in the morning I was tired and exhausted and did not fee; any more rested that when I retired at night. I knew I needed a medicine to build me up, and I concluded to take Hood's Sarsapa-After the first bottle had been taken I felt so much botter that I procured five more. I am now taking the last one, and I have not felt as well and strong for years." H. P. JONES, 223 E. Mulbury St., Kokomo, Indiana.

Hood's Sarsaparilla

Is America's Greatest Medicine, Sold by all druggists. \$1; six for \$5. Get only Hood's. Hood's Pills are the only pills in take

It is a long dress train that has no

ourtailing.

My doctor said I would die, but Piso's Curs for Consumption cured me Amos Kulner, Cherry Valley, Lis., Nov. 28, '95, "A soft answer turneth away wrath," and soft somp dirt.

CONGRESSMAN MEEKISON.

Has Faith That Pe-ru-on Will Eradients Catarrh.

It is to congress that our nation must look for all power. Every volltion of the government must originate in this body of representatives. The president simply executes the will of congress. Congress is supposed to carry out the will of the people. Congress is the brain of the nation. The people are the blood of the nation. blood makes good brain. Good brain makes success, contentment and happiness, whether of a nation or of an



HON. DAVID MEEKISON OF OHIO. tadividual. A man with poor blood cannot succeed. His nerves are weak, his brain fogged and his will paralysed. Good blood is simply well digested food. A stomach with the slightest catarrhal impairment cannot properly digest fond. Pe-ru-na quickly procures perfect digestion. Pe-ru-na cures catarrh whether of the head, stomach, throat, lungs or kidneys. A man perfectly free from catarrh is nearly always a well man

Washington, D. C., April, 1898. The Pe-ru-na Drug M'I'g Company,

Columbus, Ohio:

Gentlemen-1 have used several bottles of Pe-ru-na and feel greatly benefited thereby from my estarch of the head and feel encouraged to believe that the continued use will fully eradicate a disease of thirty years' standing. Yours respectfully,

D. Meekison. Address The Pe-ru-na Drug Manufacturing Company, Columbus, Ohio, for a free catarrh book.

## Oh, the Pain of Rheumatism!

Rhoungtism often causes the most intense suffering. Many have for years vainly sought relief from this disabling disease, and are to-day worse off than ever. Rhoumatism is a blood disease, and Swift's Specific is the only cure, be-cause it is the only remedy which can reach such desp-seated diseases.

A few years ago I was taken with inflamma-lory Rheumatism, which became so intense that I was for weeks unable to walk. several prominent physi-



from November to March I suffered agony, I tried many patent medicines, but none relieved me, Upon the a vice of a friend I decided to try a. a. a. Before allowing me to take it, however, my guardian, who was a chemist, analysed the remedy, and prescuenced it free of potash or mercury. I felt so much better after laking two bottles, that I coullisted the remedy, and in we months I was sured completely, The cure was permanent, for I have never since had a louch of Rheumatians though many times exposed to damp and cold weather.

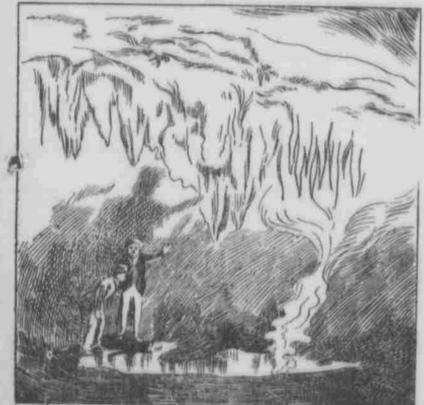
ELEANOR M. TIPPELL, STH Powelton Avenue, Philadelphia.

Don't suffer longer with Rheumatism.

Don't suffer longer with Rheumatism. Throw aside your oils and liniments, as they can not reach your trouble. Don't experiment with doctors—their potash and mercury will add to your disabil-ity and completely destroy your digos-tion.

S.S.S. The Blood will oure perfectly and permanently. It is guaranteed purely vegetable, and sontains no petash, mercury, or other mineral. Books mailed free by Swift specific Co., Atlants, Ga.

JONES OF BINGHAMTON



GRACHAN HALL